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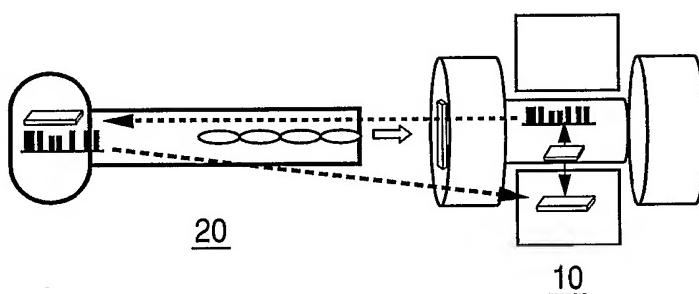
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(54) Title: AUTHENTICATION APPARATUS AND AUTHENTICATION METHOD USING RANDOM PULSE GENERATOR



(57) Abstract: This invention provides an authentication apparatus and an authentication method using a random pulse generator for generating completely random pulses and using a completely random signal as an authentication signal. The authentication apparatus includes: a random pulse generator (hereinafter referred to as the RPG), arranged in a body or a partner side or in both the body and the partner side which generates random pulses; a unit which outputs

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an authentication signal based on the random pulses generated by the RPG; a unit which stores the authentication signal; a communication unit which transmits/receives an authentication signal; and a control unit which controls the communication of an authentication signal and collate an authentication signal, whereby a complete security can be maintained and safety can be established on the part of the user.